

**OPERATING INSTRUCTIONS  
FOR  
MODEL 900 CYLINDER SCALE**

**Initial Operation**

1. Before using scale, allow it to reach room temperature; then put scale through several weighing cycles consisting of:
  - Step on scale and allow dial to come to rest
  - Step off scale and allow dial to come to rest
2. After weighing cycles are completed, adjust dial to zero (adjustment knob under edge of platform opposite dial opening), if necessary, and repeat weighing cycle until zero is stabilized.

**CAUTION: MAXIMUM LOAD OF CYLINDER AND CONTENTS IS 300 POUNDS**

**A. Full Cylinder Procedure - Gas Contents Weight Known**

1. Place the full cylinder on scale weighing surface by rolling the cylinder up the ramp provided and secure the cylinder with a safety strap or chain in a way that will not obstruct the cylinder's vertical movement. The scale provides a stable base so that a small amount of slack in the safety strap or chain will not present a problem. A pressure regulator or other gas control device should be installed on the cylinder valve or a panel adjacent to the scale. It is important that the connection between the cylinder on the scale and the downstream gas system be flexible to provide freedom of vertical movement; this is usually accomplished with coiled tubing (pigtail) or a flexible hose of pressure rating equal to or greater than the pressure contained in the cylinder.
2. Rotate the tare set knob(located at the rear of the scale) until the known weight of the gas in the cylinder appears on the green area of the scale dial. The scale now shows only the weight of the gas contents and will monitor the usage.

**B. Procedure When Contents of Cylinder are Unknown**

1. The tare or empty weight of the cylinder is generally provided on a tag attached to the cylinder or stamped in the shoulder of the cylinder itself. The regulator and/or other devices to be attached to the cylinder must be weighed prior to installation so that their weight may be added to the tare weight of the cylinder.
2. The combined weight of the cylinder and the control devices is now set on the red portion of the scale dial. The tare set knob is located at the rear of the scale.
3. Place the cylinder on the scale using the procedure described in A.1. The net weight of the gas in the cylinder will appear on the green portion of the scale.